

## BASIC INFORMATION

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| <b>Priority claimed:</b>                    | 25/05/1995 AU PN 3173  |                     |             |
| <b>Title of Invention:</b>                  | SEQUENTIAL FORMWORK SYSTEM FOR CONCRETE BUILDINGS  |                     |             |
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| <b>International Patent Classification:</b> | E04G 11/08, E04G 13/02, E04B 1/16  |                     |             |
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The claims

1. A method of constructing formwork for forming column(s), wall(s), beams and/or the like using pourable concrete material, comprising the steps of:
  - (a) positioning and securing base portion formwork atop foundation means, each said base portion formwork being comprised of a pair of opposing base panels defining the base portion surfaces of said column(s), wall(s) or the like to be formed;
  - (b) positioning and securing upper portion formwork(s) of said wall(s) formwork atop of said base portion formwork(s), each said upper portion formwork(s) being comprised of at least one pair of substantially parallel opposing upper panels defining the upper portion surfaces of said wall(s) to be formed;
2. A method of construction as claimed in claim 1, wherein at least the base portion of corner and/or column sections of said wall(s) are constructed prior to intermediate sections of said wall(s);
3. A method of construction as claimed in claim 1, wherein prior to pouring said concrete material, window, door and/or other opening blanking panels are provided at predetermined positions in said wall section formwork such that concrete material is moulded into desired shapes and prevented from being provided into such positions, wherein said blanking panel formwork is separately secured to said upper and lower formwork panels via clamp means located outside said cavity of the formwork panels;
4. A method of construction as claimed in claim 3, wherein said blanking panels are embodied by using pairs of blanking members for each side of said window, door and/or other opening, wherein, the ends of abutting blanking members are terminate in a correspondingly shaped transverse manner to permit easy assembly / disassembly of the members;
5. A method of construction as claimed in any one of claims 1 to 4, wherein said wall base formwork comprises a pair of parallel opposing base portion formworks, each having a lower end



adapted to engage with a blanking panel or a wall support ridge or the like associated with said foundation, and an upper end adapted to receive said upper section formwork panels, said base portion formwork being provided on one side of said frame substantially between said upper and lower ends thereof to define an exterior concrete surface.

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6 A method of construction as claimed in any one of claims 1 to 5, wherein said wall base portion formwork further comprises a pressure release means provided in an upper portion of said frame, to permit the release of pourable material and/or air and other gases which may enter the lower end of the frame during the pouring process.

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7 A method of construction as claimed in any one of claims 1 to 6, wherein opposed base portion formworks are retained in position by locking pins, and independent support bracket, said pins preferably being tapered for ease of removal thereof after said pourable material is set.

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A method of construction as claimed in any one of claims 1 to 7, wherein said parallel opposed wall panels are retained in position by being secured together atop of base portion formwork by one or more removable support brackets outside said opposed base portion formworks.

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A method of construction as claimed in any one of claims 1 to 8, wherein the top end of each parallel opposed wall section formwork is retained in position by a removable wall spacing support bracket located outside atop the formworks.

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A method of construction as claimed in any one of claims 1 to 9, wherein insulation is positioned in the concrete wall and poured in-situ to insulate the outside surface from the inside surface and at the same time maximise thermal advantages.

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11 A method of construction as claimed in any one of claims 1 to 10, wherein said base portion formwork is placed upon said foundation means which comprises a substrate surface, a slab, including a raft slab, and, in the case of foundation piers, the lower end of the base portion formwork engages a blanking panel.

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12. A method of construction as claimed in any one of claims 1 to 11, further comprising the step of:

providing horizontal or raked beam poured in-situ atop said upper portion formed walls or columns

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13. A method of construction as claimed in any one of claims 3 to 12, wherein door hinge supports and/or striker plates may be insert moulded in the concrete into position.

14. A method of construction, substantially as herein described.

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15. A formwork, substantially as herein described with reference to the accompanying drawings.

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